

HAYNES® HR-160® RTW™ Filler Metal

Product Description:

HAYNES® HR-160® RTW™ filler metal is used for the gas metal arc and gas tungsten arc welding of HAYNES® HR-160® alloy. The alloy has outstanding resistance to high-temperature corrosion, including sulfidation and chloride attack in reducing and oxidizing atmospheres. The alloy also is a great candidate for thermal spray applications where resistance to high-temperature abrasion and corrosion are required. The RTW™ filler metal finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AWS A5.14 ERNiCoCrSi-1 UNS N12160

Composition:

Nickel:	Remainder	Titanium:	0.20-0.60	Sulfur:	0.02 max.
Cobalt:	27.0-32.0	Copper:	0.50 max.	Phosphorus:	0.03 max.
Chromium:	26.0-29.0	Tungsten:	0.50 max.		
Iron:	3.5 max.	Other:	0.30 max.		
Silicon:	2.4-3.0	Aluminum:	0.40 max.		
Manganese:	1.0 max.	Niobium + Tantalum	0.15 max.		
Molybdenum:	0.70 max.	Carbon:	0.02-0.10		

Minimal Mechanical Properties

Tensile (psi)	90,000
Mpa	620
Elongation (%)	60

Available Product Forms and Sizes:

Diameter in	0.030	0.031	0.035	0.039	0.045	0.047	0.062	0.078	0.093	*0.125	*0.156x	0.187x
Diameter mm	0.76	0.80	0.89	1.00	1.10	1.20	1.60	2.00	2.40	*3.20	*4.00x	*4.70x

Filler metals are available in MIG spools, TIG cut lengths, reels, and coils from the above diameters.

*Size not available in MIG spools.

• Size not available on reels.

Standard TIG straight lengths are available in 36" (914mm) lengths. *Other lengths available upon request.*